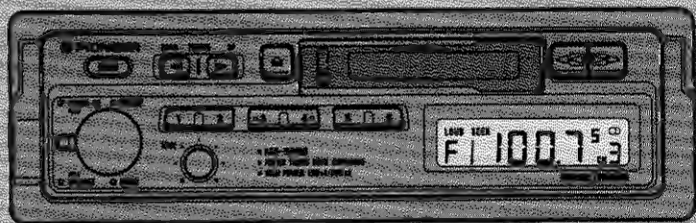


High power cassette player
with FM/AM tuner

SUPER  TUNER

KEH-1050QR KEH-1030

Operation Manual



KEH-1050QR

 **PIONEER**
The Art of Entertainment

Precaution

<ENGLISH>

- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough for outside sounds to be audible.
- Protect the product from moisture.
- Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.

KEH-1030

- If the battery is disconnected, the preset memory will be erased and must be reprogrammed.

Specifications

<ENGLISH>

General

Power source 14.4 V DC (10.8 – 15.1 V allowable)
Grounding system Negative type
Max. current consumption 6.0 A (KEH-1050QR)
7.5 A (KEH-1030)

Dimensions

KEH-1050QR

(mounting bracket)

..... 182 (W) × 52 (H) × 147 (D) mm
(nose) 188 (W) × 58 (H) × 20 (D) mm

KEH-1030

(DIN) (chassis) 178 (W) × 50 (H) × 140 (D) mm
(nose) 188 (W) × 58 (H) × 20 (D) mm
(D) (chassis) 178 (W) × 50 (H) × 145 (D) mm
(nose) 170 (W) × 46 (H) × 15 (D) mm

Weight 1.6 kg (KEH-1050QR)
1.2 kg (KEH-1030)

Amplifier

Continuous power output is 16 W per channel min. into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD.

Maximum power output 25 W × 2 / 15 W × 4
Load impedance 4 Ω (4 – 8 Ω allowable)
Tone controls (Hi cut tone) 0 – 16 dB (10 kHz)
Loudness contour +10 dB (100 Hz) (volume: -30 dB)

Cassette player

Tape Compact cassette tape (C-30 – C-90)
Tape speed 4.8 cm/sec.
Fast forward/rewinding time Approx. 160 sec. for C-60
Wow & flutter 0.13% (WRMS)
Frequency response 40 – 14,000 Hz (±3 dB)
Stereo separation 45 dB
Signal-to-noise ratio 52 dB (IEC-A network)

FM tuner

Frequency range 87.5 – 108 MHz
Usable sensitivity 11 dBf (1.0 μV/75 Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity 17 dBf (1.9 μV/75 Ω, mono)
Signal-to-noise ratio 67 dB (IEC-A network)
Distortion 0.9% (at 65 dBf, 1 kHz, stereo)
Frequency response 30 – 15,000 Hz (±3 dB)
Stereo separation 34 dB (at 65 dBf, 1 kHz)

AM tuner

Frequency range 531 – 1,602 kHz (9 kHz)
530 – 1,710 kHz (10 kHz)
Usable sensitivity 31.6 μV (S/N: 20 dB)
Selectivity 50 dB (±9 kHz)
50 dB (±10 kHz)

Changing the AM Tuning Step

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The tuning step employed in the tuner's AM band can be switched between 9 kHz and 10 kHz per step. Reset the tuning step from 9 kHz (the factory preset step) to 10 kHz when using the tuner in North, Central or South America.

Specifications	Initial Setting	New Setting
Tuning Steps	9 kHz	10 kHz
Frequency range	531 – 1,602 kHz	530 – 1,710 kHz

1. Set the POWER switch to the OFF position.
2. While pressing the [◀] or [▶] button, set the POWER switch to the ON position.

Cassette Player and Care

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About the Cassette Player

- A loose or warped label on a cassette tape may interfere with the eject mechanism of the unit or cause the cassette to become jammed in the unit. Avoid using such tapes or remove such labels from the cassette before attempting use.
- Be sure to eject the tape when the vehicle's ignition is turned OFF. Leaving the tape in the unit can deform the pinch roller causing wow and flutter during tape playback.

Cleaning the Head

- If the head becomes dirty, the sound quality will deteriorate and there will be sound dropouts and other imperfections in performance. In this case, the head must be cleaned.

About Cassette Tapes

- Loose tapes should be rewound with the aid of a pencil and unevenly wound tapes rewound with the use of the fast forward function.
- Do not use tapes longer than C-90 type (90 min.) cassettes. Longer tapes can interfere with tape transport.
- Storing cassettes in areas directly exposed to sunlight or high temperatures can distort them and subsequently interfere with tape transport.
- Store unused tapes in a tape case where there is no danger of them becoming loose or being exposed to dust.

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.

Basic Operation of Tuner

Band

FI → FII → FIII → A
(FM1) (FM2) (FM3) (AM)

Tuning

- When "SEEK" is lit: Seek tuning
- When "SEEK" is out: Manual tuning
- Simultaneously press [◀] and [▶] to switch the "SEEK" indication on/off.

LOUD indicator

SEEK indicator

Stereo indicator

Lights during stereo broadcast reception.

Tone

Power/Volume

- Turn clockwise: Power ON → Volume up
- Turn counterclockwise: Volume down → Power OFF

Balance

- Pull the knob out and turn: Adjusts left/right balance

Fader

Adjusts front and rear speaker balance. When using two speakers, set to the 9 o'clock position.

Buttons 1-6

2 seconds or more: Broadcast station preset memory
Less than 2 seconds: Preset station recall



KEH-1050QR

Basic Operation of Cassette Player

Fader

Adjusts front and rear speaker balance. When using two speakers, set to the 9 o'clock position.

Fast forward, Rewind /Direction change

- Press the button indicating the same direction as the direction indicator: Fast forward
- Press the button indicating the opposite direction of the direction indicator: Rewind
- Simultaneously press [◀◀] and [▶▶] to change direction.

Eject

Cassette door



KEH-1050QR

Power/Volume

- Turn clockwise: Power ON → Volume up
- Turn counterclockwise: Volume down → Power OFF

Balance

- Pull the knob out and turn: Adjusts left/right balance

Direction indicator

LOUD indicator

Note:

- If a cassette tape is loaded, eject it.
- The LOUD indicator lights when power is switched ON. (You cannot switch the Loudness function OFF.)

Note:

- The LOUD indicator lights when power is switched ON. (You cannot switch the Loudness function OFF.)

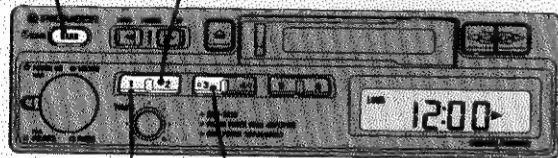
Displaying the time

Press the [BAND] button for 2 seconds or more.

Setting the minutes

While pressing the [BAND] button for 2 seconds or more, press button [2].

- When you release the [BAND] button, the second count begins from 00 seconds.



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Setting the hour

While pressing the [BAND] button for 2 seconds or more, press button [1].

Synchronizing with the Time Announcement

While pressing the [BAND] button for 2 seconds or more, press button [3] to reset the minute and second indications to zero.

Example: When synchronizing between 1:30 and 2:29.

Note:

- The time display disappears temporarily when you perform another operation, but the time indication returns to the display after 25 seconds.
- The hour and minute can be advanced by pressing the respective buttons either consecutively or continuously.

- Guarde este manual a mano como referencia para los procedimientos de operación y precauciones.
- Mantenga siempre el volumen bajo lo suficiente para oír los sonidos de tráfico.
- Proteja el producto contra la humedad.

- Cuando este producto no funciona correctamente, comuníquese con su concesionario o centro de servicio Pioneer autorizado.

KEH-1030

- Si la batería del automóvil se desconecta por alguna razón, la memoria programada será apagada y deberá ser programada nuevamente.

Especificaciones

General**Fuente de alimentación**

14.4 V CC (10.8 – 15.1 V permisible)

Sistema de conexión a tierra Tipo negativo

Consumo de energía máximo 6.0 A (KEH-1050QR)

7.5 A (KEH-1030)

Dimensiones**KEH-1050QR**

(mensula de montaje)

..... 182 (An) × 52 (Al) × 147 (Pr) mm

(parte saliente)

..... 188 (An) × 58 (Al) × 20 (Pr) mm

KEH-1030

(DIN) (bastidor)

..... 178 (An) × 50 (Al) × 140 (Pr) mm

(parte saliente)

..... 188 (An) × 58 (Al) × 20 (Pr) mm

(D) (bastidor)

..... 178 (An) × 50 (Al) × 145 (Pr) mm

(parte saliente)

..... 170 (An) × 46 (Al) × 15 (Pr) mm

Peso 1.6 kg (KEH-1050QR)

1.2 kg (KEH-1030)

Amplificador

La salida de potencia continua es 16 W por canal, mín., 4 ohms, ambos canales activados, 50 a 15.000 Hz con D.A.T. inferior a 5%.

Potencia de salida máxima 25 W × 2 / 15 W × 4

Impedancia de carga 4 Ω (4 – 8 Ω permisible)

Controles de tono (Hi cut tone) 0 – 16 dB (10 kHz)

Contorno de sonoridad

..... +10 dB (100 Hz) (volumen: -30 dB)

Platina de cassettes

Cinta Cinta de cassette compacto (C-30 – C-90)

Velocidad de la cinta 4.8 cm/seg.

Tiempo de avance rápido/rebobinado

..... Aprox. 160 seg. para C-60

Lloro y trémolo 0.13% (WRMS)

Respuesta de frecuencia 40 – 14.000 Hz (±3 dB)

Separación estéreo 45 dB

Relación de señal a ruido 52 dB (Red-IEC-A)

Sintonizador FM

Gama de frecuencias 87.5 – 108 MHz

Sensibilidad utilizable

..... 11 dBf (1.0 μV/75 Ω, mono, S/N: 30 dB)

Umbral de silenciamiento a 50 dB

..... 17 dBf (1.9 μV/75 Ω, mono)

Relación de señal a ruido 67 dB (red IEC-A)

Distorsión 0.9% (a 65 dBf, 1 kHz, estéreo)

Respuesta de frecuencia 30 – 15.000 Hz (±3 dB)

Separación estéreo 34 dB (a 65 dBf, 1 kHz)

Sintonizador AM

Gama de frecuencias 531 – 1.602 kHz (9 kHz)

..... 530 – 1.710 kHz (10 kHz)

Sensibilidad utilizable 31.6 μV (S/N: 20 dB)

Selectividad 50 dB (±9 kHz)

..... 50 dB (±10 kHz)

Nota:

- Las especificaciones y el diseño están sujetos a posibles modificaciones sin previo aviso debido a mejoramientos.

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